

**AMENDMENTS TO THE CLAIMS**

**This listing of claims will replace all prior versions and listings of claims in the application:**

**LISTING OF CLAIMS:**

1. (previously presented): A method of identifying devices using an IPv6 address, the method comprising:

providing an interface ID area comprising a company ID area and a serial number area using an EUI-64 ID format; and

identifying the devices using device ID information for identifying types of the devices recorded in an unused area in the company ID area of an interface ID area, using an EUI-64 ID format, the unused area in the company ID area being an area excluding a used area used for representing the company ID in the company ID area, and using unique numbers assigned to devices recorded in the serial number area,

wherein the unused area in the company ID area is an area excluding a used area used for representing manufacturers of the devices in the company ID area.

2. (canceled).

3. (previously presented): The method of claim 1, wherein the company ID area comprises a U-bit area and a G-bit area.

4. (canceled).

5. (previously presented): A computer readable recording medium having recorded thereon computer code for executing a method of identifying devices using an IPv6 address, the method comprising:

providing an interface ID area comprising a company ID area and a serial number area using an EUI-64 ID format; and

identifying the devices using device ID information for identifying types of the devices recorded in an unused area in the company ID area and using unique numbers assigned to devices recorded in the serial number area,

wherein the unused area in the company ID area is an area excluding a used area used for representing manufacturers of the devices in the company ID area.

6. (previously presented): The computer readable recording medium of claim 5, wherein the company ID area comprises a U-bit area and a G-bit area.

7. (new): The method of claim 1, wherein the company ID area is assigned by a network standard body.

8. (new): The method of claim 1, wherein first specific types of devices among the devices which are connected to a home network are identified by the device ID information, and a second specific device among the first specific types of devices is identified by a serial number.

9. (new): The computer readable recording medium of claim 5, wherein the company ID area is assigned by a network standard body.

10. (new): The computer readable recording medium of claim 5, wherein first specific types of devices among the devices which are connected to a home network are identified by the device ID information, and a second specific device among the first specific types of devices is identified by a serial number.